

What is claimed is:

1. A multiple-beam scanning device comprising:
a light source unit comprising a plurality of light sources;

a deflector configured to deflect, in a main scanning direction, light beams issuing from said plurality of light sources;

optics configured to condense the light beams deflected by said deflector with an optical device having power in the subscanning direction and an optical device having power in a main scanning direction in such a manner as to establish a preselected beam spot diameter, and to return an optical path with at least one mirror for thereby scanning a subject surface; and

adjusting means for providing, in a plane formed by scanning lines deflected by said deflector, one of said optical devices with α eccentricity about a center of an optical axis in a direction of said optical axis.

2. The device as claimed in claim 1, wherein one of said optical devices is provided with adjusting means capable of moving in parallel to the direction of the optical axis in the plane formed by the scanning lines.

3. The device as claimed in claim 2, wherein said one optical device comprises said optical device having power in the subscanning direction.

4. The device as claimed in claim 3, wherein said adjusting means assigned to said optical device having power in the subscanning direction comprises rotatable eccentric cams positioned at opposite ends of said optical device.

5. The device as claimed in claim 3, wherein said optical device having power in the subscanning direction comprises a transparent member.

6. The device as claimed in claim 5, wherein said adjusting means assigned to said optical device having power in the subscanning direction comprises rotatable eccentric cams positioned at opposite ends of said optical device.

7. The device as claimed in claim 1, wherein said one optical device comprises said optical device having power in the subscanning direction.

8. The device as claimed in claim 7, wherein said adjusting means assigned to said optical device having power in the subscanning direction comprises rotatable eccentric cams positioned at opposite ends of said optical device.

9. The device as claimed in claim 7, wherein said optical device having power in the subscanning direction comprises a transparent member.

10. The device as claimed in claim 9, wherein said

adjusting means assigned to said optical device having power in the subscanning direction comprises rotatable eccentric cams positioned at opposite ends of said optical device.

11. An image forming apparatus comprising:

an image carrier;

optical writing means for forming a latent image on said image carrier;

developing means for developing the latent image to thereby produce a corresponding toner image;

image transferring means for transferring the toner image from said image carrier to a recording medium either directly or indirectly via an intermediate image transfer body; and

fixing means for fixing the toner image on the recording medium;

said optical writing means comprising a multiple-beam scanning device comprising:

a light source unit comprising a plurality of light sources;

a deflector configured to deflect, in a main scanning direction, light beams issuing from said plurality of light sources;

optics configured to condense the light beams deflected by said deflector with an optical device having

power in the subscanning direction and an optical device having power in a main scanning direction in such a manner as to implement a preselected beam spot diameter, and to turn back an optical path with at least one mirror for thereby scanning a surface of said image carrier; and

adjusting means for providing, in a plane formed by scanning lines deflected by said deflector, one of said optical devices with α eccentricity about a center of an optical axis in a direction of said optical axis.

12. The apparatus as claimed in claim 11, wherein one of said optical devices is provided with adjusting means capable of moving in parallel to the direction of the optical axis in the plane formed by the scanning lines.

13. The apparatus as claimed in claim 12, wherein said one optical device comprises said optical device having power in the subscanning direction.

14. The apparatus as claimed in claim 13, wherein said adjusting means assigned to said optical device having power in the subscanning direction comprises rotatable eccentric cams positioned at opposite ends of said optical device.

15. The apparatus as claimed in claim 13, wherein said optical device having power in the subscanning direction comprises a transparent member.

16. The apparatus as claimed in claim 15, wherein

said adjusting means assigned to said optical device having power in the subscanning direction comprises rotatable eccentric cams positioned at opposite ends of said optical device.

17. The apparatus as claimed in claim 11, wherein said one optical device comprises said optical device having power in the subscanning direction.

18. The apparatus as claimed in claim 17, wherein said adjusting means assigned to said optical device having power in the subscanning direction comprises rotatable eccentric cams positioned at opposite ends of said optical device.

19. The apparatus as claimed in claim 17, wherein said optical device having power in the subscanning direction comprises a transparent member.

20. The apparatus as claimed in claim 19, wherein said adjusting means assigned to said optical device having power in the subscanning direction comprises rotatable eccentric cams positioned at opposite ends of said optical device.